PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference PCT03-090	FOR FURTHER ACTION as we	see Form PCT/ISA/220 Il as, where applicable, item 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/KR2004/000119	20 JANUARY 2004 (20.01.2004)	20 JANUARY 2003 (20.01.2003)
Applicant NEUROTECH CO., LTD. et al		
to Article 18. A copy is being transmitted to the This international search report consists of a temperature.	otal of 5 sheets.	
It is also accompanied by a cop	y of each prior art document cited in this repor	t.
language in which it was filed, unles The international search this Authority (Rule 23.	ernational search was carried out on the basis is otherwise indicated under this item. was carried out on the basis of a translation of 1(b)). and/or amino acid sequence disclosed in the i	the international application furnished to
b. X With regard to any nucleotide	and/or amino acid sequence disclosed in the i	memational application, see Box 140. 1.
2. Certain claims were found un	searchable (See Box No. II)	
3. Unity of invention is lacking (See Box No. III)	
4. With regard to the title,		
X the text is approved as submitte	d by the applicant.	
the text has been established by	this Authority to read as follows:	
·		
5. With regard to the abstract,	dhu sha amilians	
X the text is approved as submitte	coording to Rule 38.2(b), by this Authority as i	t appears in Boy No. IV. The applicant
	e date of mailing of this international search re	
·	e date of maining of this international scarcific	oor, submit comments to ans realising.
6. With regard to the drawings,	liched with the abstract is Figure No.	7
a. the figure of the drawings to be pub	instited with the abstract is rigure 140.	<u>, </u>
X as suggested by the applic		
because the applicant faile		
	characterizes the invention.	
b. none of the figure is to be publi	sned with the adstract.	

International application No.

PCT/KR2004/000119

Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sneet)	
1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:	
a. type of material X a sequence listing table(s) related to the sequence listing	
b. format of material in written format in computer readable form	
c. time of filing/furnishing contained in the international application as filed filed together with the international application in computer readable form furnished subsequently to this Authority for the purposes of search	
2. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.	
3. Additional comments:	

International application No. PCT/KR2004/000119

CLASSIFICATION OF SUBJECT MATTER A.

IPC7 A61K 31/60

According to International Patent Classification (IPC) or to both national classification and IPC

FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 A61K 31/60

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Korean patents and applications for inventions since 1975

Electronic data base consulted during the intertnational search (name of data base and, where practicable, search terms used) Pubmed [(NADPH oxidase inhibitor OR trolox OR BAS) AND (neurotrophin OR BNDF)]

C	DOCUMENTS	CONSIDERED	TO	RE	RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Р, Х	LOBNER et al., 'Neurotrophin factor effects in oxidative stress-induced neuronal death', Neurochemical Research, May 2003, Vol.28(5),pp.749-756 See abstract	1 - 10
x p)	KIM et al., 'Brain-derived neurotrophic factor can act as a pronecrotic factor through transcriptional and translational activation of NADPH oxidase', The Journal of Cell Biology, 2002, Vol.159(5), pp.821-831 See abstract.	1 - 10
x bs	BATES et al., 'Neurotrophin-3 promotes cell death induced in cerebral ischemia, oxygen-glicose deprivation, and oxidative stress: Possible involvement of oxygen free radicals', Neurobiology of Disease, 2002, Vol.9, pp.24-37 See abstract.	1 - 10 11 - 13
x ps	HWANG et al., 'The role of NADPH oxidase, neuronal nitric oxide synthase and poly(ADP ribose)polymerase in oxidative neuronal death induced in cortical cultures by brain-derived neurotrophic factor and neurotrophin-4/5', Journal of Neurochemistry, 2002, Vo.82(4), pp.894-902 See abstract.	1 - 10
Y pf	WO 01/79153 A1 (NEUROTECH CO., LTD) 25 October 2001 See the whole document.	11 - 13

	See the whole document	
X	Further documents are listed in the continuation of Box C.	X See patent family annex.
* "A"	Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E"	earlier application or patent but published on or after the international filing date document which may throw doubts on priority claim(s) or which is	"X". document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
	cited to establish the publication date of citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is
"O"	document referring to an oral disclosure, use, exhibition or other means	combined with one or more other such documents, such combination being obvious to a person skilled in the art
" P"	document published prior to the international filing date but later than the priority date claimed	"&" document member of the same patent family
Date	of the actual completion of the international search	Date of mailing of the international search report
	19 APRIL 2004 (19.04.2004)	20 APRIL 2004 (20.04.2004)
Nan	ne and mailing address of the ISA/KR	Authorized officer
	Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu, Daejeon 302-701, Republic of Korea	LEE, Mi Jeong

Telephone No. 82-42-481-5601

Facsimile No. 82-42-472-7140

International application No.
PCT/KR2004/000119

ategory*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
×	WON et al., 'NY-4/5 exacerbates free radical-induced neuronal necrosis in vitro and in vivo', 2000, Vol.7, pp.251-259 See abstract.	1 - 10
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O		

Information on patent family members

International application No. PCT/KR2004/000119

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
W001/79153A1	25.10.2001	JP2003535051T2	25.11.2003
		EP1274675A1	15.01.2003
		CA2405518AA	25.10.2001
		AU0041494A5	30.10.2001